

**APPARATUS AND METHOD FOR MONITORING A TREATMENT  
PROCESS IN A PRODUCTION INTERVAL**

ABSTRACT OF THE DISCLOSURE

An apparatus (50) for monitoring a treatment process in a treatment interval (58) includes a packer assembly (60) and a sand control screen assembly (64) connected relative to the packer assembly (60). A cross-over assembly (62) provides lateral communication paths (92, 98) downhole and uphole of the packer assembly for respectively delivering of a treatment fluid (84) and taking return fluid. A wash pipe assembly (76) is positioned in communication with the lateral communication path (98) uphole of the packer assembly (60) and extending into the interior of the sand control screen assembly (64). At least one sensor (80) is operably associated with the wash pipe assembly (76) to collect data relative to at least one property of the treatment fluid during a treatment process such that a characteristic of the treatment fluid (84) is regulatable during the treatment process based upon the data.